

[54] FLUID SAMPLE COLLECTION AND DISTRIBUTION SYSTEM

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[58] Field of Search 210/82, 90, 102, 108, 210/141, 142; 73/714, 717

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[57] ABSTRACT

A multi-point fluid sample collection and distribution system is provided wherein the sample inputs are made through one or more of a plurality of sampling valves to a progressive cavity pump which is not susceptible to damage by large unfiltered particles. The pump output is through a filter unit that can provide a filtered multi-point sample. An unfiltered multi-point sample is also provided. An effluent sample can be taken and applied to a second progressive cavity pump for pumping to a filter unit that can provide one or more filtered effluent samples. The second pump can also provide an unfiltered effluent sample. Means are provided to periodically back flush each filter unit without shutting off the whole system.

18 Claims, 2 Drawing Figures

